

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



aSB599  
.A345  
cap. 2

U.S. DEPT. OF AGRICULTURE  
NAT'L AGRIC. LIBRARY

MAR 3 '75

APHIS 81-2-3

April 1974

RECEIVED  
CURRENT SERV. FILE

## UNITED STATES DEPARTMENT OF AGRICULTURE Animal and Plant Health Inspection Service

### RELEASES AND RECOVERIES OF CEREAL LEAF BEETLE PARASITES 1973<sup>1</sup>

#### A Summary of Releases and Recoveries of Imported Parasites of Oulema melanopus (L.) Indicating Species, Release and Recovery Sites, and Countries of Origin

*Compiled by*  
*Cereal Leaf Beetle Parasite Rearing Laboratory*

The Cereal Leaf Beetle Parasite Rearing Laboratory was established by the Agricultural Research Service<sup>2</sup> in 1966 to develop and implement a biological control program against the cereal leaf beetle. Five parasite species have been introduced from Europe by the Entomology Research Division, Agricultural Research Service: An egg parasite, *Anaphes flavipes*; and four larval parasites; *Tetrastichus julis*, *Diaparsis carinifer*, *Diaparsis* spp., and *Lemophagus curtus*. One or more of these species has been colonized in nine States. Establishment of all five species liberated has been confirmed.

<sup>1</sup>An addendum to APHIS 81-2 (issued May 1972), "Releases and Recoveries of Cereal Leaf Beetle Larval Parasites, 1967 - 1972," and an addendum to APHIS 81-2 (issued December 1972), "Releases and Recoveries of Cereal Leaf Beetle Parasites 1972."

<sup>2</sup>Effective October 31, 1971, Plant Protection Division, Agricultural Research Service, became a part of Plant Protection and Quarantine Programs, Animal and Plant Health Service (APHIS). Effective April 2, 1972, APHS became Animal and Plant Health Inspection Service.

Releases of parasites of the cereal leaf beetle, *Oulema melanopus* (L.) in the United States by the Cereal Leaf Beetle Parasite Rearing Laboratory, Methods Development Branch, APHIS, USDA, Niles, Mich. in 1973.

<i>Parasite</i>	<i>Release locality</i>	<i>Origin</i>	<i>Total no.</i>
<i>Anaphes flavipes</i> (Foerster)	Indiana:		
	Dearborn County		
	Harrison Twp.	Branch <sup>1</sup>	4,500
	Kelso Twp.	Do.	4,500
	Decatur County		
	Washington Twp.	Do.	9,000
	Fayette County		
	Harrison Twp.	Do.	2,250
	Jasper County		
	Walker Twp.	Do.	2,250
	Jefferson County		
	Lancaster Twp.	Do.	2,250
	Shelby Twp.	Do.	2,250
	Lake County		
	Ross Twp.	Do.	2,250
	West Creek Twp.	Do.	2,250
	La Porte County		
	Clinton Twp.	Do.	2,250
	Dewey Twp.	Do.	2,250
	Hanna Twp.	Do.	2,250
	Noble County		
	Swan Twp.	Do.	4,500
	Ohio County		
	Randolph Twp.	Do.	4,500
	Union Twp.	Do.	2,250
	Porter County		
	Jackson Twp.	Do.	2,250
	Morgan Twp.	Do.	6,750
	Porter Twp.	Do.	2,250
	Rush County		
	Richland Twp.	Do.	4,500
	Starke County		
	Railroad Twp.	Do.	2,250
	Switzerland County		
	Craig Twp.	Do.	2,250
	Jefferson Twp.	Do.	2,250
	Pleasant Twp.	Do.	4,500
	Wabash County		
	Chester Twp.	Do.	4,500
	Whitley County		
	Richland Twp.	Do.	4,500
	Union Twp.	Do.	4,500

See footnotes at end of table.

Release of parasites of the cereal leaf beetle, *Oulema melanopus* (L.) in the United States  
by the Cereal Leaf Beetle Parasite Rearing Laboratory, Methods Development Branch,  
APHIS, USDA, Niles, Mich. in 1973—Continued

<i>Parasite</i>	<i>Release locality</i>	<i>Origin</i>	<i>Total no.</i>
<i>Anaphes flavipes</i> (Foerster) (Con.)	Michigan:		
	Missaukee County		
	Clam Union Twp.	Branch <sup>1</sup>	18,000
	Pennsylvania:		
	Butler County		
	Clay Twp.	Do.	4,500
	Crawford County		
	Greenwood Twp.	Do.	2,250
	Vernon Twp.	Do.	4,500
	Indiana County		
	White Twp.	Do.	2,250
	Jefferson County		
	Warsaw Twp.	Do.	2,250
	Lawrence County		
	Slippery Rock Twp.	Do.	4,500
	Mercer County		
	New Vernon Twp.	Do.	4,500
	Wilmington Twp.	Do.	4,500
	Westmoreland County		
	South Huntingdon Twp.	Do.	2,250
	Virginia:		
	Alleghany County		
	Jackson River Mag. Dist.	Do.	4,500
	Augusta County		
	Beverly Manor Mag. Dist.	Do.	4,500
	North River Mag. Dist.	Do.	2,250
	Pastures Mag. Dist.	Do.	4,500
	River Head Mag. Dist.	Do.	2,250
	Bath County		
	Williamsville Mag. Dist.	Do.	4,500
	Bedford County		
	Lakes Mag. Dist.	Do.	6,750
	Botetourt County		
	Amsterdam Mag. Dist.	Do.	2,250
	Buchanan Mag. Dist.	Do.	4,500
	Campbell County		
	Central Mag. Dist.	Do.	2,250
	Patrick Henry Mag. Dist.	Do.	4,500
	Craig County		
	Simmons Mag. Dist.	Do.	4,500

See footnotes at end of table.

Release of parasites of the cereal leaf beetle, *Oulema melanopus* (L.) in the United States  
by the Cereal Leaf Beetle Parasite Rearing Laboratory, Methods Development Branch,  
APHIS, USDA, Niles, Mich. in 1973—Continued

<i>Parasite</i>	<i>Release locality</i>	<i>Origin</i>	<i>Total no.</i>
<i>Anaphes flavipes</i> (Foerster) (Con.)	Virginia: (Con.)		
	Franklin County		
	Gills Creek Mag. Dist.	Branch <sup>1</sup>	2,250
	Union Hall Mag. Dist.	Do.	4,500
	Giles County		
	Pembroke Mag. Dist.	Do.	2,250
	Highland County		
	Stonewall Mag. Dist.	Do.	9,000
	Montgomery County		
	Shawsville Mag. Dist.	Do.	4,500
	Pulaski County		
	Dublin Mag. Dist.	Do.	6,750
	Newbern Mag. Dist.	Do.	4,500
	Roanoke County		
	Big Lick Mag. Dist.	Do.	4,500
	Catawba Mag. Dist.	Do.	2,250
	Salem Mag. Dist.	Do.	4,500
	Rockbridge County		
	South River Mag. Dist.	Do.	2,250
	Walkers Creek Mag. Dist.	Do.	6,750
	West Virginia:		
	Barbour County		
	Philippi Mag. Dist.	Do.	4,500
	Berkeley County		
	Falling Water Mag. Dist.	Do.	9,000
	Hedgesville Mag. Dist.	Do.	2,250
	Fayette County		
	New Haven Mag. Dist.	Do.	2,250
	Grant County		
	Grant Mag. Dist.	Do.	4,500
	Milroy Mag. Dist.	Do.	2,250
	Hampshire County		
	Bloomery Mag. Dist.	Do.	4,500
	Capon Mag. Dist.	Do.	6,750
	Romney Mag. Dist.	Do.	2,250
	Hardy County		
	Moorefield Mag. Dist.	Do.	4,500
	South Fork Mag. Dist.	Do.	9,000
	Jackson County		
	Ripley Mag. Dist.	Do.	2,250
	Union Mag. Dist.	Do.	9,000

See footnotes at end of table.

Release of parasites of the cereal leaf beetle, *Oulema melanopus* (L.) in the United States  
by the Cereal Leaf Beetle Parasite Rearing Laboratory, Methods Development Branch,  
APHIS, USDA, Niles, Mich. in 1973—Continued

<i>Parasite</i>	<i>Release locality</i>	<i>Origin</i>	<i>Total no.</i>
<i>Anaphes flavipes</i> (Foerster) (Con.)	West Virginia: (Con.)		
	Mercer County		
	Plymouth Mag. Dist.	Branch <sup>1</sup>	4,500
	Mineral County		
	Welton Mag. Dist.	Do.	4,500
	Monroe County		
	Red Sulphur Mag. Dist.	Do.	2,250
	Second Creek Mag. Dist.	Do.	6,750
	Springfield Mag. Dist.	Do.	15,750
	Sweetspring Mag. Dist.	Do.	4,500
	Wolf Creek Mag. Dist.	Do.	2,250
	Morgan County		
	Capapon Mag. Dist.	Do.	2,250
	Sleepy Creek Mag. Dist.	Do.	2,250
	Nicholas County		
	Gauley Mag. Dist.	Do.	2,250
	Pocahontas County		
	Edray Mag. Dist.	Do.	4,500
	Greenbank Mag. Dist.	Do.	4,500
	Preston County		
	Grant Mag. Dist.	Do.	4,500
	Pleasant Mag. Dist.	Do.	4,500
	Portland Mag. Dist.	Do.	6,750
	Union Mag. Dist.	Do.	9,000
	Raleigh County		
	Richmond Mag. Dist.	Do.	4,500
	Shady Spring Mag. Dist.	Do.	2,250
	Randolph County		
	Beverly Mag. Dist.	Do.	4,500
	Huttonsville Mag. Dist.	Do.	6,750
	Roaring Creek Mag. Dist.	Do.	2,250
	Valley Bend Mag. Dist.	Do.	13,500
	Roane County		
	Reedy Mag. Dist.	Do.	6,750
	Summers County		
	Green Sulphur Mag. Dist.	Do.	4,500
	Pipestem Mag. Dist.	Do.	4,500
	Taylor County		
	Grafton Mag. Dist.	Do.	9,000
	Tyler County		
	Ellsworth Mag. Dist.	Do.	2,250
	Lincoln Mag. Dist.	Do.	2,250
	Meade Mag. Dist.	Do.	9,000

See footnotes at end of table.

Release of parasites of the cereal leaf beetle, *Oulema melanopus* (L.) in the United States  
by the Cereal Leaf Beetle Parasite Rearing Laboratory, Methods Development Branch,  
APHIS, USDA, Niles, Mich. in 1973—Continued

<i>Parasite</i>	<i>Release locality</i>	<i>Origin</i>	<i>Total no.</i>
<i>Anaphes flavipes</i> (Foerster) (Con.)	West Virginia: (Con.)		
	Upshur County		
	Banks Mag. Dist.	Branch <sup>1</sup>	2,250
	Meade Mag. Dist.	Do.	4,500
<i>Tetrastichus julis</i> (Walker)	Indiana:		
	Allen County		
	Eel River Twp.	Gull Lake <sup>2</sup>	2,736
	Dearborn County		
	Harrison Twp.	Do.	4,800
	Kelso Twp.	Do.	4,800
	DeKalb County		
	Keyser Twp.	Do.	2,736
	Elkhart County		
	Benton Twp.	Do.	2,736
	Fayette County		
	Harrison Twp.	Do.	2,880
	Posey Twp.	Do.	4,992
	Franklin County		
	Brookville Twp.	Do.	9,600
	Fulton County		
	New Castle Twp.	Do.	2,736
	Hancock County		
	Sugar Creek Twp.	Do.	9,600
	Henry County		
	Dudley Twp.	Do.	2,520
	Spiceland Twp.	Do.	2,520
	Kosciusko County		
	Prarie Twp.	Do.	1,800
	Lake County		
	Ross Twp.	Do.	2,736
	La Porte County		
	Cass Twp.	Do.	2,736
	Dewey Twp.	Do.	1,800
	Hanna Twp.	Do.	2,520
	Marshall County		
	Center Twp.	Do.	2,736
	Miami County		
	Richland Twp.	Do.	2,736

See footnotes at end of table.



Release of parasites of the cereal leaf beetle, *Oulema melanopus* (L.) in the United States  
by the Cereal Leaf Beetle Parasite Rearing Laboratory, Methods Development Branch,  
APHIS, USDA, Niles, Mich. in 1973—Continued

<i>Parasite</i>	<i>Release locality</i>	<i>Origin</i>	<i>Total no.</i>
<i>Tetrastichus julis</i> (Walker) (Con.)	Indiana: (Con.)		
	Porter County		
	Jackson Twp.	Gull Lake <sup>2</sup>	2,736
	Rush County		
	Center Twp.	Do.	1,800
	St. Joseph County		
	Liberty Twp.	Do.	1,800
	Starke County		
	Railroad Twp.	Do.	1,800
	Union County		
	Union Twp.	Do.	4,800
	Wabash County		
	Chester Twp.	Do.	1,800
	Wayne County		
	Center Twp.	Do.	4,800
	Webster Twp.	Do.	4,800
	Whitley County		
	Richland Twp.	Do.	1,800
	Union Twp.	Do.	2,736
	New York:		
	Ontario County		
	Dresdin Twp.	Do.	2,520
	Steuben County		
	Coshocton Twp.	Do.	2,520
	Wyoming County		
	Attica Twp.	Do.	2,520
	Pennsylvania:		
	Butler County		
	Clay Twp.	Do.	4,800
	Centre County		
	Ferguson Twp.	Do.	3,840
	Clarion County		
	Highland Twp.	Do.	4,800
	Limestone Twp.	Do.	3,840
	Crawford County		
	Fairfield Twp.	Do.	3,840
	N. Shenago Twp.		
	field insectary	Do.	14,400
	Vernon Twp.	Do.	3,840

See footnotes at end of table.

Release of parasites of the cereal leaf beetle, *Oulema melanopus* (L.) in the United States  
by the Cereal Leaf Beetle Parasite Rearing Laboratory, Methods Development Branch,  
APHIS, USDA, Niles, Mich. in 1973—Continued

<i>Parasite</i>	<i>Release locality</i>	<i>Origin</i>	<i>Total no.</i>
<i>Tetrastichus julis</i> (Walker) (Con.)	Pennsylvania: (Con.) Lawrence County Slippery Rock Twp.	Gull Lake <sup>2</sup>	3,840
	West Virginia: Mason County Robinson Mag. Dist. field insectary	Do.	10,788
	Pleasant County Washington Mag. Dist. field insectary	Do.	10,752
<i>Diaparsis carinifer</i> (Thomson) or species	Indiana: Allen County Eel River Twp.	Noggle's <sup>3</sup>	420
	Carroll County Tippecanoe Twp.	Do.	340
	Dearborn County Harrison Twp.	Yugoslavia	50
	DeKalb County Keyser Twp.	Noggle's	420
	Smithfield Twp.	Do.	640
	Elkhart County Benton Twp.	Do.	300
	Union Twp.	Do.	300
	Fayette County Harrison Twp.	Yugoslavia	473
	Posey Twp.	Noggle's	680
	Franklin County Brookville Twp.	Do.	420
	Highland Twp.	Yugoslavia	400
		Do.	400
	Fulton County New Castle Twp.	Noggle's	300
	Hancock County Sugar Creek Twp.	Do.	420
	Henry County Dudley Twp.	Do.	340
	Spiceland Twp.	Do.	340
	Kosciusko County Prairie Twp.	Do.	340

See footnotes at end of table.

Release of parasites of the cereal leaf beetle, *Oulema melanopus* (L.) in the United States  
by the Cereal Leaf Beetle Parasite Rearing Laboratory, Methods Development Branch,  
APHIS, USDA, Niles, Mich. in 1973—Continued

Parasite	Release locality	Origin	Total no.
<i>Diaparsis carinifer</i> (Thomson) or species (Con.)	Indiana: (Con.)		
	Lake County		
	Ross Twp.	Noggle's <sup>3</sup>	420
	La Porte County		
	Cass Twp.	Do.	420
	Dewey Twp.	Do.	340
	Hanna Twp.	Do.	340
	Johnson Twp.		
	field insectary	Do.	1,360
	Marshall County		
	Center Twp.	Do.	300
	Green Twp.	Do.	300
	Polk Twp.	Do.	300
	Miami County		
	Richland Twp.	Do.	300
	Noble County		
	Swan Twp.	Do.	420
	York Twp.	Do.	340
	Ohio County		
	Union Twp.	Yugoslavia	90
	Porter County		
	Jackson Twp.	Noggle's	420
	Morgan Twp.	Do.	420
	Rush County		
	Center Twp.	Do.	340
	St. Joseph County		
	Liberty Twp.	Do.	340
	Starke County		
	Railroad Twp.	Do.	340
	Steuben County		
	Fremont Twp.	Do.	340
	Switzerland County		
	Pleasant Twp.	Yugoslavia	200
	Union County		
	Union Twp.	Do.	400
		Noggle's	420
	Wabash County		
	Chester Twp.	Do.	340
	Wayne County		
	Center Twp.	Do.	420
	Webster Twp.	Do.	420

See footnotes at end of table.

Release of parasites of the cereal leaf beetle, *Oulema melanopus* (L.) in the United States  
by the Cereal Leaf Beetle Parasite Rearing Laboratory, Methods Development Branch,  
APHIS, USDA, Niles, Mich. in 1973—Continued

<i>Parasite</i>	<i>Release locality</i>	<i>Origin</i>	<i>Total no.</i>
<i>Diaparsis carinifer</i> (Thomson) or species (Con.)	Indiana: (Con.)		
	White County		
	Liberty Twp.	Noggle's <sup>3</sup>	340
	Union Twp.	Do.	340
	Whitley County		
	Richland Twp.	Do.	340
	Union Twp.	Do.	420
	Kentucky: <sup>4</sup>		
	Grant County		
	Flingsville Area		
	field insectary	Do.	2,100
	New York:		
	Livingston County		
	Caledonia Twp.	Yugoslavia	481
	Monroe County		
	Wheatland Twp.	Do.	484
	Ontario County		
	Dresdin Twp.	Do.	497
		Noggle's	340
	Steuben County		
	Coshocton Twp.	Do.	340
	Wyoming County		
	Attica Twp.	Do.	340
	Perry Twp.	Yugoslavia	380
	Pike Twp.	Do.	483
	Ohio:		
	Coshocton County		
	Bedford Twp.		
	field insectary	Noggle's	2,380
	Fairfield County		
	Hocking Twp.		
	field insectary	Do.	2,380
		Yugoslavia	1,904
	Guernsey County		
	Jefferson Twp.		
	field insectary	Noggle's	1,700
		Yugoslavia	599
	Jackson County		
	Madison Twp.		
	field insectary	Noggle's	1,700

See footnotes at end of table.

Release of parasites of the cereal leaf beetle, *Oulema melanopus* (L.) in the United States  
by the Cereal Leaf Beetle Parasite Rearing Laboratory, Methods Development Branch,  
APHIS, USDA, Niles, Mich. in 1973—Continued

<i>Parasite</i>	<i>Release locality</i>	<i>Origin</i>	<i>Total no.</i>
<i>Diaparsis carinifer</i> (Thomson) or species (Con.)	Ohio: (Con.)		
	Preble County		
	Somers Twp.		
	field insectary	Noggle's	2,380
	Pennsylvania:		
	Butler County		
	Clay Twp.	Do.	420
	Centre County		
	Ferguson Twp.	Do.	420
	Clarion County		
	Highland Twp.	Do.	420
	Limestone Twp.	Do.	420
	Crawford County		
	Fairfield Twp.	Do.	340
	N. Shenango Twp.		
	field insectary	Do.	4,200
	Vernon Twp.	Do.	420
	Woodcock Twp.	Yugoslavia	498
	Erie County		
	Elk Creek Twp.	Do.	320
	Lawrence County		
	Slippery Rock Twp.	Noggle's	340
	Virginia:		
	Augusta County		
	Rivershead Mag. Dist.		
	field insectary	Do.	1,602
	Highland County		
	Stonewall Mag. Dist.	Yugoslavia	5,412
	West Virginia:		
	Cabell County		
	Union Mag. Dist.	Do.	993
	Jackson County		
	Union Mag. Dist.	Do.	983
		Noggle's	840
	Washington Mag. Dist.	Yugoslavia	476
	Mason County		
	Robinson Mag. Dist.		
	field insectary	Noggle's	2,400
	Monroe County		
	Red Sulphur Mag. Dist.		
	field insectary	Yugoslavia	3,167
	Ohio County		
	Liberty Triadelphia Mag. Dist.	Noggle's	420

See footnotes at end of table.

Release of parasites of the cereal leaf beetle, *Oulema melanopus* (L.) in the United States  
by the Cereal Leaf Beetle Parasite Rearing Laboratory, Methods Development Branch,  
APHIS, USDA, Niles, Mich. in 1973—Continued

Parasite	Release locality	Origin	Total no.
<i>Diaparsis carinifer</i> (Con.)	West Virginia: (Con.)		
	Pleasant County		
	Union Mag. Dist.	Noggle's	420
	Washington Mag. Dist.		
	field insectary	Do.	2,760
	Putnam County		
	Buffalo Mag. Dist.	Yugoslavia	486
	Teays Valley Mag. Dist.	Do.	977
	Wetzel County		
	Proctor Mag. Dist.	Noggle's	420
<i>Lemophagus curtus</i> (Townes)	Wood County		
	Harris Mag. Dist.	Do.	420
	Parkersburg Mag. Dist.	Do.	420
	Indiana:		
	La Porte County		
	Johnson Twp.		
	field insectary	Do.	720
	Ohio:		
	Fairfield County		
	Hocking Twp.		
	field insectary	Do.	820
	Guernsey County		
	Jefferson Twp.		
	field insectary	Do.	1,130
	Pennsylvania:		
	Crawford County		
	N. Shenango Twp.		
	field insectary	Do.	2,400
	Virginia:		
	Augusta County		
	Rivershead Mag. Dist.		
	field insectary	Yugoslavia	45
	West Virginia:		
	Mason County		
	Robinson Mag. Dist.		
	field insectary	Noggle's	640
	Pleasant County		
	Washington Mag. Dist.		
	field insectary	Do.	640

<sup>1</sup>Field collected in Branch County, Mich.

<sup>2</sup>Parasitized cereal leaf beetle larvae collected at Michigan State University, Gull Lake field insectary, Kalamazoo County, Mich.

<sup>3</sup>Parasitized cereal leaf beetle larvae collected at the Noggle field insectary in Barrien County, Mich.

<sup>4</sup>Political subdivisions below county not available for Kentucky.

New recoveries of parasites of the cereal leaf beetle, *Oulema melanopus* (L.) in the United States by the Cereal Leaf Beetle Rearing Laboratory, Methods Development Branch, APHIS, USDA, Niles, Mich. in 1973

<i>Parasite</i>	<i>Recovery locality</i>	<i>No. of sites</i>
<i>Anaphes flavipes</i> (Foerster)	Indiana:	
	Allen County Lake Twp.	1
	DeKalb County Butler Twp.	1
	Franklin County Brookville Twp.	1
	Fulton County New Castle Twp.	1
	Henry County Dudley Twp.	1
	LaGrange County Clear Spring Twp.	1
	St. Joseph County Olive Twp.	1
	Steuben County Steuben Twp.	1
	Union County Center Twp.	1
	Wayne County Boston Twp.	1
	Michigan:	
	Grand Traverse County Garfield Twp.	1
	Missaukee County Richland Twp.	1
	St. Clair County China Twp.	1
	Cottoellville Twp.	1
	Fort Gratiot Twp.	1
	Wayne County Brownstown Twp.	3
	New York:	
	Ontario County Richmond Twp.	1
	Monroe County Mendon Twp.	1

New recoveries of parasites of the cereal leaf beetle, *Oulema melanopus* (L.) in the United States by the Cereal Leaf Beetle Rearing Laboratory, Methods Development Branch, APHIS, USDA, Niles, Mich. in 1973—Continued

<i>Parasite</i>	<i>Recovery locality</i>	<i>No. of sites</i>
<i>Anaphes flavipes</i> (Foerster) (Con.)	Ohio:	
	Auglaize County Douchouquet Twp.	1
	Clark County Moorefield Twp.	1
	Darke County Butler Twp.	1
	Delaware County Kingston Twp.	1
	Hardin County Pleasant Twp.	1
	Montgomery County Miami Twp.	1
	Ross County Concord Twp.	1
	Washington County Marietta Twp.	1
	Pennsylvania:	
	Armstrong County W. Franklin Twp.	1
	Beaver County Darlington Twp.	1
	Lawrence County Neshannock Twp.	1
	Lycoming County Loyalsock Twp.	1
	Mercer County Wolf Creek Twp.	1
	West Virginia:	
	Mason County Robinson Mag. Dist.	1
	Pleasant County Washington Mag. Dist.	1
	Wood County Harris Mag. Dist.	2



New recoveries of parasites of the cereal leaf beetle, *Oulema melanopus* (L.) in the United States by the Cereal Leaf Beetle Rearing Laboratory, Methods Development Branch, APHIS, USDA, Niles, Mich. in 1973—Continued

<i>Parasite</i>	<i>Recovery locality</i>	<i>No. of sites</i>
<i>Tetrastichus julis</i> (Walker)	Indiana:	
	La Porte County	
	Johnson Twp.	
	field insectary	1
	Michigan:	
	Grand Traverse County	
	Garfield Twp.	1
	Kalamazoo County	
	Ross Twp.	
	field insectary	1
	Ohio:	
	Fairfield County	
	Berne Twp.	
	field insectary	1
	Hocking Twp.	
	field insectary	1
	Jackson County	
	Madison Twp.	1
	Muskingum County	
	Licking Twp.	
	field insectary	1
	Pennsylvania:	
	Crawford County	
	N. Shenango Twp.	
	field insectary	1
	West Virginia:	
	Mason County	
	Robinson Mag. Dist.	
	field insectary	1
	Pleasant County	
	Washington Mag. Dist.	
	field insectary	1
	Wood County	
	Harris Mag. Dist.	1
<i>Diaparsis carinifer</i> (Thomas)	Michigan:	
	Kalamazoo County	
	Ross Twp.	
	field insectary	1

New recoveries of parasites of the cereal leaf beetle, *Oulema melanopus* (L.) in the United States by the Cereal Leaf Beetle Rearing Laboratory, Methods Development Branch, APHIS, USDA, Niles, Mich. in 1973—Continued

<i>Parasite</i>	<i>Recovery locality</i>	<i>No. of sites</i>
<i>Diaparsis carinifer</i> (Thomas) (Con.)	Pennsylvania: Crawford County N. Shenango Twp. field insectary	1
<i>Lemophagus curtus</i> (Townes)	Michigan: Berrien County Bertrand Twp.	1